

Search History
7/17/03 2:50:31 PM

L Number	Hits	Search Text	DB	Time stamp
12	104	(smooth adj muscle adj7 promoter) and enhancer	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/07/17 12:55
13	104	(smooth adj muscle adj7 promoter) and (enhancer or CMV-IE)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/07/17 12:56
14	31	(smooth adj muscle adj7 promoter) same (enhancer or CMV-IE)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/07/17 14:38
15	0	"199824922"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/07/17 13:07
16	1	"98/24922"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/07/17 13:07
17	3887	coleman.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/07/17 13:08
18	41	coleman.in. and actin	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/07/17 13:08
19	2	coleman.in. and actin adj gene	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/07/17 13:08
20	1	(coleman.in. and actin adj gene) and (enhancer or CMV-IE)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/07/17 13:15
21	2	(coleman.in. and actin adj gene) and (promoter)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/07/17 13:24
22	10	"9309236"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/07/17 13:25
23	11	schwartz.in. and myogenic adj vector	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/07/17 14:22
24	4	"6074850" and enhancer	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/07/17 14:22

25	61	((smooth adj muscle adj7 promoter) same (enhancer or CMV-IE or RSV or SV40 or EFla))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/07/17 14:38
26	51	((smooth adj muscle or SMact or SM22) adj5 promoter) same (enhancer or CMV-IE or RSV or SV40 or EFla))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/07/17 14:39
27	33	((smooth adj muscle or SMact or SM22) adj3 promoter) same (enhancer or CMV-IE or RSV or SV40 or EFla))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/07/17 14:40
28	16	((smooth adj muscle or SMact or SM22) adj3 promoter) same (enhancer or enhancer adj5 (CMV-IE or RSV or SV40 or EFla))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/07/17 14:41
29	25	((smooth adj muscle or SMact or SM22) adj5 promoter) same (enhancer or enhancer adj5 (CMV-IE or RSV or SV40 or EFla))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/07/17 14:44
30	25	((smooth adj muscle or SMact or SM22) adj5 promoter) same (enhancer or enhancer adj5 (CMV-IE or RSV or SV40 or EFla)) and enhancer	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/07/17 14:49
31	25	((smooth adj muscle or SMact or SM22) adj5 promoter) same (enhancer or enhancer adj5 (CMV-IE or RSV or SV40 or EFla)) and smooth adj muscle	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/07/17 14:49

File name: caplus
FILE IN CAPLUS
SINCE FILE ENTRY
TOTAL
SINCE FILE ENTRY
TOTAL
FILE ESTIMATED COST 0.21 0.21

FILE 'MEDLINE' ENTERED AT 16:29:28 ON 17 JUL 2004

FILE 'JAPLUS' ENTERED AT 16:29:28 ON 17 JUL 2004
WE ARE SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP" "CAPLUS" "TERMS" FOR DETAILS.
COPYRIGHT © 2004 AMERICAN CHEMICAL SOCIETY ACS

>>> Smooth (a) muscle (or SMac or SM22) (5a) promoter (s) enhancer or enhancer (5A) (CMV or PCV or SV40 or EP1a)
(MATCHED RIGHT PARENTHESIS 'S' ENHANCER'
The number of right parentheses in a query must be equal to the
number of left parentheses.

>>> Smooth (a) muscle (or SMac or SM22) (5a) promoter (s) enhancer or enhancer (5A) (CMV or PCV or SV40 or EP1a)
(MATCHED LEFT PARENTHESIS 'S' ENHANCER'
The number of right parentheses in a query must be equal to the
number of left parentheses.

>>> Smooth (a) muscle (or SMac or SM22) (5a) promoter (s) enhancer or enhancer (5A) (CMV or PCV or SV40 or EP1a)

!! >>> Smooth (a) muscle (or SMac or SM22) (5a) promoter (s) enhancer
R OR ENHANCER (5A) (CMV OR PCV OR SV40 OR EP1A)

>>> R R R R R R R R

!! ANSWER 1 OF 2 JAPLUS COPYRIGHT 2004 ACS
ACCESSION NUMBER: 2002:41649 CAPLUS
DOCUMENT NUMBER: 146:80951
TITLE: Chimeric promoters for controlling expression in
smooth muscle cells
INVENTOR(S): Ribault, Sebastien; Neville, Pascal; Mehtali, Mapi
PATENT ASSIGNEE(S): Transgene S.A., Fr.
AUTHOR: PCT Int. Appl., 88 pp.
ORDEN: PAXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002002765	A2	20020110	WO 2001-EP7657	20010704
WO 2002002765	A3	20020919		
X: AE, AG, AL, AM, AT, AV, AZ, BA, BB, BC, BR, BY, BE, CA, CH, CN, CO, CP, CY, DE, DK, DM, DO, EC, EE, ES, FI, GB, GD, GH, GI, GM, HP, HT, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, ME, MG, MN, MW, MX, NC, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PK, PL, PT, QA, RO, RU, RW, SA, SG, SI, SK, SL, SM, SN, SR, ST, SV, TD, TM, TR, TT, TZ, UA, UG, US, UZ, VN, VU, ZA, ZW, AM, AO, AU, AZ, BA, BB, BG, BH, BR, BS, BT, BW, BY, CA, CC, CE, CF, CG, CH, CI, CL, CM, CN, CO, CR, CU, CY, CZ, DD, DE, DF, DG, DH, DI, DJ, DK, DL, DM, DO, DR, DU, DV, DW, DX, EY, FE, FF, FG, FH, FI, FK, FL, FM, FO, FR, FS, FT, FU, FV, FW, FX, FY, FZ, GA, GB, GC, GD, GE, GF, GH, GI, GL, GM, GN, GP, GR, GS, GT, GU, GV, GW, GY, HA, HB, HC, HD, HE, HF, HG, HH, HI, HM, HN, HO, HP, HR, HS, HU, HV, HW, HX, HY, HZ, IA, IB, IC, ID, IE, IF, IG, IH, II, IJ, IK, IL, IM, IN, IO, IP, IQ, IR, IS, IT, IV, IW, IX, IY, IZ, JA, JB, JC, JD, JE, JF, JG, JH, JI, JJ, JK, JL, JM, JN, JO, JP, JR, JS, JT, JU, JV, JW, JX, JY, JZ, KA, KB, KC, KD, KE, KF, KG, KH, KI, KM, KN, KO, KP, KR, KS, KT, KU, KV, KW, KY, KZ, LA, LB, LC, LD, LE, LF, LG, LH, LI, LJ, LK, LL, LM, LN, LO, LP, LQ, LR, LS, LT, LU, LV, LY, MA, MB, MC, MD, ME, MF, MG, MH, MI, MJ, MK, ML, MM, MN, MO, MP, MQ, MR, MS, MT, MU, MV, MW, MX, MY, MZ, NA, NB, NC, ND, NE, NF, NG, NH, NI, NJ, NK, NL, NM, NN, NO, NP, NR, NS, NT, NU, NV, NW, NX, NY, NZ, OA, OB, OC, OD, OE, OF, OG, OH, OI, OJ, OK, OL, OM, ON, OO, OP, OQ, OR, OS, OT, OU, OV, OW, OX, OY, OZ, PA, PB, PC, PD, PE, PF, PG, PH, PI, PJ, PK, PL, PM, PN, PO, PP, PQ, PR, PS, PT, PU, PV, PW, PX, PY, PZ, QA, QB, QC, QD, QE, QF, QG, QH, QI, QJ, QK, QL, QM, QN, QO, QP, QQ, QR, QS, QT, QU, QV, QW, QX, QY, QZ, RA, RB, RC, RD, RE, RF, RG, RH, RI, RJ, RK, RL, RM, RN, RO, RP, RR, RS, RT, RU, RV, RW, RX, RY, RZ, SA, SB, SC, SD, SE, SF, SG, SH, SI, SJ, SK, SL, SM, SN, SO, SP, SQ, SR, SS, ST, SU, SV, SW, SX, SY, SZ, TA, TB, TC, TD, TE, TF, TG, TH, TI, TJ, TK, TL, TM, TN, TO, TP, TP, TR, TS, TT, TU, TV, TW, TX, TY, TZ, UA, UB, UC, UD, UE, UF, UG, UH, UI, UJ, UK, UL, UM, UN, UO, UP, UQ, UR, US, UT, UV, UW, UX, UY, UZ, VA, VB, VC, VD, VE, VF, VG, VH, VI, VJ, VK, VL, VM, VN, VO, VP, VQ, VR, VS, VT, VU, VV, VW, VX, VY, VZ, WA, WB, WC, WD, WE, WF, WG, WH, WI, WJ, WK, WL, WM, WN, WO, WP, WQ, WR, WS, WT, WU, WV, WX, WY, WZ, XA, XB, XC, XD, XE, XF, XG, XH, XI, XJ, XK, XL, XM, XN, XO, XP, XQ, XR, XS, XT, XU, XV, XW, XX, XY, XZ, YA, YB, YC, YD, YE, YF, YG, YH, YI, YJ, YK, YL, YM, YN, YO, YP, YQ, YR, YS, YT, YU, YV, YW, YX, YZ, ZA, ZB, ZC, ZD, ZE, ZF, ZG, ZH, ZI, ZJ, ZK, ZL, ZM, ZN, ZO, ZP, ZQ, ZR, ZS, ZT, ZU, ZV, ZW, ZX, ZY, ZZ				

AB The present invention concerns a chimeric construct comprising a
SMC specific promoter operably linked to a muscle-specific enhancer. It
also provides an expression cassette comprising such a chimeric construct
to control expression of a therapeutic gene. Finally, the invention
relates to a recombinant vector, a viral particle, an eukaryotic host
cell, a vector comprising such expression cassette and their use for
specific expression in SMCs and for therapeutic or prophylactic purposes,
a method for the treatment of a human or animal organism as well as a
transgenic non-human animal comprising integrated into its genome the
chimeric construct, the expression cassette or the vector of the present
invention.

!! ANSWER 2 OF 2 JAPLUS COPYRIGHT 2004 ACS
ACCESSION NUMBER: 2001:224449 CAPLUS
DOCUMENT NUMBER: 146:29944
TITLE: Chimeric smooth muscle specific enhancer promoters.
Valuable tools for adenovirus-mediated cardiovascular
gene therapy

AUTHORS : Binault, Catherine; Neville, Pascal;
 Mehine Neville, Anne; Ange, Fabrice; Karadian,
 Aray; Barbieri, Julien; Bailin, Denise; Salenda,
 Valerie
 ORIGINATE SOURCE: Cardiovascular Gene Therapy Laboratory, Strasbourg,
 67082, Fr.
 SOURCE: Circulation Research, 2001, 88:5, 469-475
 ISSN: 1079-5642; ISSN: 1098-7340
 PUBLISHER: Lippincott Williams & Wilkins
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 AB Gene transfer with adenoviral vectors is an attractive approach for the
 treatment of atherosclerosis and restenosis. However, because expression
 of a therapeutic gene in non-target tissues may have deleterious effects,
 artery-specific expression is desirable. Although expression vectors
 using transcriptional regulatory elements of genes expressed solely in
 smooth muscle cells (SMCs) have proved efficient to restrict expression of
 the transgene, their use in the clinic setting can be limited by their
 reduced strength. In the present study, we show that low levels of
 transgene expression are obtained with the smooth muscle (SM)-specific
SM22.alpha. promoter compared with the viral
 cytomegalovirus (CMV) **enhancer/promoter**. We have
 generated chimeric transcriptional cassettes using either a SM-SM myosin
 heavy chain or a skeletal muscle (creatine kinase) **enhancer**
 combined with the **SM22.alpha. promoter**. With both
 constructs we obtained significantly stronger expression that remains
 SM-specific. In vivo, reporter gene expression was restricted to arterial
 SMCs with no detectable signal at remote sites. Moreover, when
 interferon-gamma expression was driven by one of these two chimeras, SMC
 growth was inhibited as efficiently as with the CMV promoter. Finally, we
 demonstrate that neointima formation in the rat carotid balloon injury
 model was reduced to the same extent by adenoviral gene transfer of
 interferon-gamma driven either by the SM-myosin heavy chain
enhancer SM22.alpha. promoter or the
CMV promoter. These results indicate that such vectors
 can be useful for the treatment of hyperproliferative vascular disorders.
 REFERENCE COUNT: 27 THERE ARE 27 CITED REFERENCES AVAILABLE FOR THIS
 RECORD. ALL CITATIONS AVAILABLE IN THE PE FORMAT